SR2000 FREQUENCY MONITOR QUICK-GUIDE

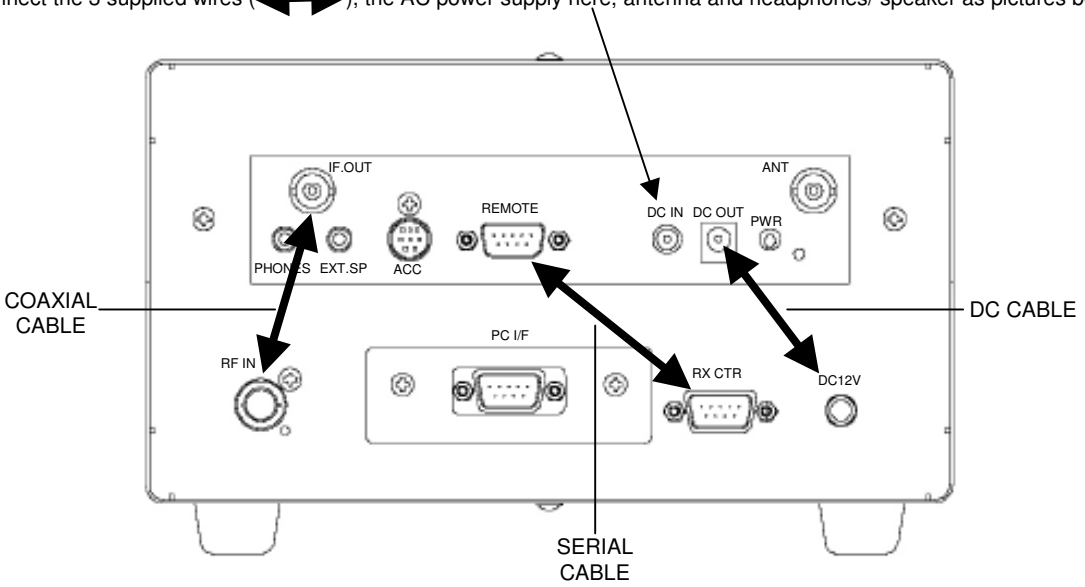
Thank you for purchasing the AOR SR2000 FREQUENCY MONITOR! This 2 page quick guide, different from the regular user's manual, will allow you to set-up and run this device in a matter of minutes, for simple demonstration purposes. This guide has been made for readers which are already used to handle communications receivers and related accessories, and therefore is bypassing security issues, power, volume, frequency button operation, and similar common sense operation issues.
If you don't feel confident enough about using the SR2000 for the first time with this quick guide, please consult the regular user's manual for a detailed and step by step explanation.

WHAT IS THE SR2000?

It's an ultra-fast spectrum display monitor with a high quality triple-conversion receiver, to instantly detect, capture and display transmitted signals.

1. WIRE CONNECTION

Just connect the 3 supplied wires (), the AC power supply here, antenna and headphones/ speaker as pictures below.



2. EXPERIENCE THE MAJOR FEATURES

WITHOUT ANY MEMORY BANK/CHANNEL PROGRAMMING:
You can use right away the "VFO & Spectrum Analyzer" mode, where you can enter any frequency with the ten keys, and immediately visualize the spectrum of the detected signals at this frequency, and +/- 5Mhz around it. Luckily, powering on the SR2000 brings you to this mode by default!
The illustration on the next page allows you to appreciate the range of the so-called "SEEKS" and "OPERATION MODES" available, and their interaction.

WITH A PRELIMINARY MEMORY BANK/CHANNEL PROGRAMMING:
To use the MEMORY READ, MEMORY SCAN, SEARCH and FFT SEARCH "seeks" modes, you need to first program memory bank/channels.
Let's do so for the **FFT SEARCH** mode, the most impressive feature of the SR2000. Here is how to do so (we presume that all memory banks/channels are empty):

-FUNC+2 (long press)
-Set L-FREQ at 90MHz.
-Set H-FREQ at 100MHz.
-ENT (long press)
-FUNC+2

You are now looking at a regular (non-stop) **SEARCH**.

continue with.
-FUNC+1
-ENT two times
-Set the treshhold level with the dial.
-ENT

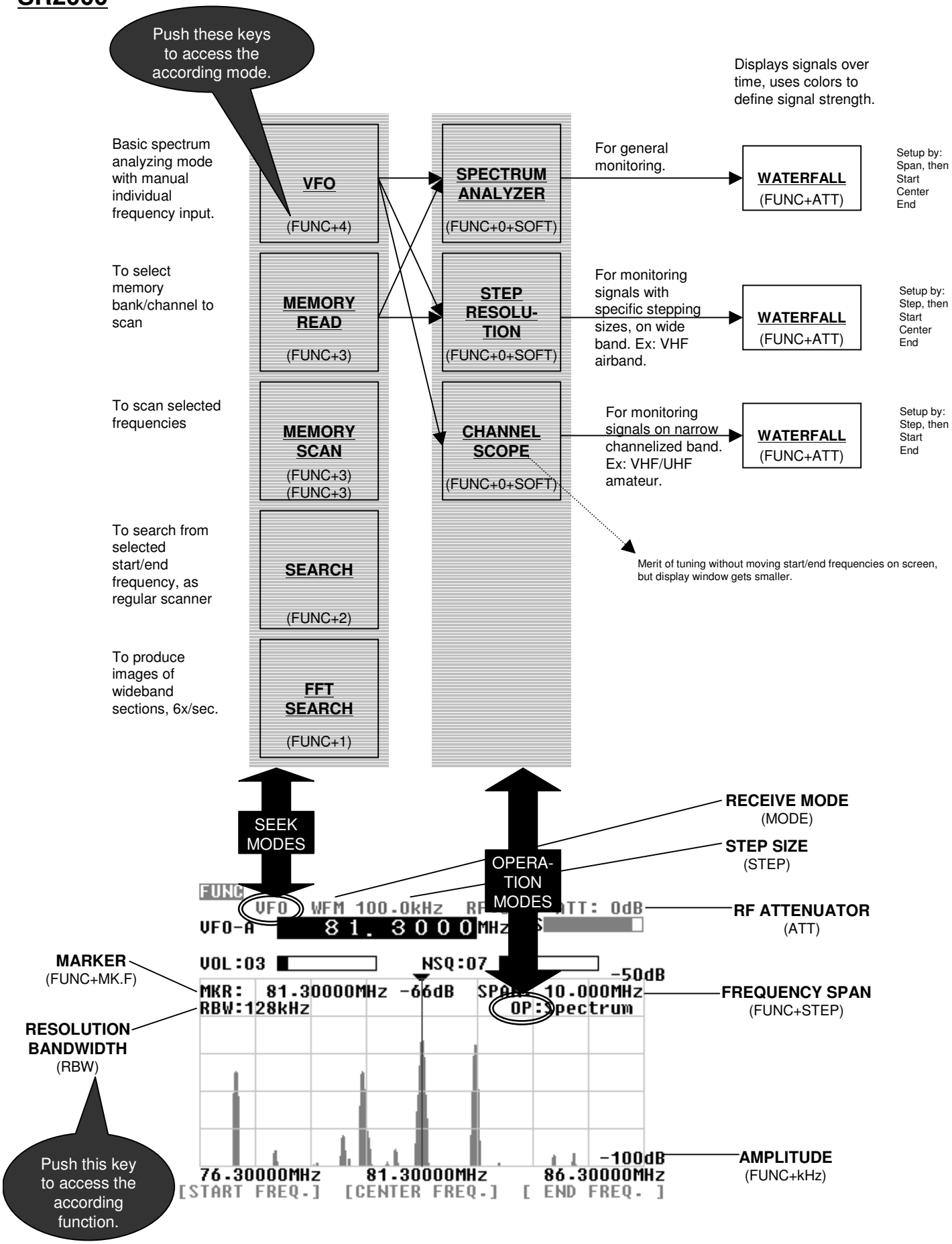
You are now looking at a HIGH SPEED **FFT SEARCH**!

WHY IS FFT SEARCH SO DIFFERENT?
Compared to regular scanning which scans one frequency after the other, up or down, FFT SEARCH detects signals within the whole 10MHz range which is scanned every 0.2 seconds, over the treshold level you previously set. Of course this range can be set anywhere between 25MHz and 3GHz.

Wide application possibilities:
Send the detected signals' data (frequency+intensity) in a continuous stream to a PC, through the serial port!

Note: The PC software (WIN 2000 and up) for data capture and receiver control is not supplied, as it is still under development. Nevertheless the complete command list is supplied in the instructions manual.

SR2000


Push these keys to access the according mode.
Displays signals over time, uses colors to define signal strength.
Basic spectrum analyzing mode with manual individual frequency input.
VFO
(FUNC+4)
SPECTRUM ANALYZER
(FUNC+0+SOFT)
For general monitoring.
WATERFALL
(FUNC+ATT)
Setup by: Span, then Start Center End
To select memory bank/channel to scan
MEMORY READ
(FUNC+3)
STEP RESOLU-TION
(FUNC+0+SOFT)
For monitoring signals with specific stepping sizes, on wide band. Ex: VHF airband.
WATERFALL
(FUNC+ATT)
Setup by: Step, then Start Center End
To scan selected frequencies
MEMORY SCAN
(FUNC+3)
(FUNC+3)
CHANNEL SCOPE
(FUNC+0+SOFT)
For monitoring signals on narrow channelized band. Ex: VHF/UHF amateur.
WATERFALL
(FUNC+ATT)
Setup by: Step, then Start End
Merit of tuning without moving start/end frequencies on screen, but display window gets smaller.
To search from selected start/end frequency, as regular scanner
SEARCH
(FUNC+2)
To produce images of wideband sections, 6x/sec.
FFT SEARCH
(FUNC+1)
SEEK MODES
OPERA-TION MODES
RECEIVE MODE
(MODE)
STEP SIZE
(STEP)
FUNC
VFO WFM 100.0kHz RF ATT: 0dB
VFO-A 81.3000MHz
RF ATTENUATOR
(ATT)
MARKER
(FUNC+MK.F)
VOL:03
NSQ:07
-50dB
MKR: 81.30000MHz -66dB SPAN: 10.000MHz
FREQUENCY SPAN
(FUNC+STEP)
RESOLUTION BANDWIDTH
(RBW)
RBW:128kHz
OP:Spectrum
-100dB
AMPLITUDE
(FUNC+kHz)
76.30000MHz
81.30000MHz
86.30000MHz
[START FREQ.]
[CENTER FREQ.]
[END FREQ.]
Push this key to access the according function.